<u>Travel Demand Modeler</u>

TDOT Planning Specialist (SG 32) – 2 Positions

This position will be working under the office of Forecasting of the Long Range Planning Division. This position will develop travel demand models for the State and working closely with contractors and MPOs' modeling groups and perform professional transportation planning work including development, monitoring, and coordination of transportation planning projects. Strong modeling skills/direct experience with travel demand software packages (particularly TransCAD or Cube/TP+/Voyager) as well as analytical skills and GIS capabilities are preferred. Statistical analysis experience as it relates to travel demand modeling. Writing skills, including experience in writing technical reports. Systems currently used in the division include the Tennessee Roadway Information Management System (TRIMS/E-TRIMS), ArcGIS, GeoMedia, Oracle, LRS, Imagine, TransCAD, and full ADOBE Creative Cloud, etc. Master's degree in Transportation Planning and Modeling/Civil Engineering/Geography or closely related field are preferred. Activity-based model knowledge and experience, SPSS or SAS experience, programing languages (e.g., C++, Visual Basic, Java, PHP, Perl, Python, etc.) are a plus. Salary range
DOQ $42,396.00 ~ $67,848.00

Duties:

Duties include, but are not limited to, in a team environment:

1. Work closely with the offices of Roadway Data, Road Inventory (Tennessee Roadway Information Management System – TRIMS), and Data Visualization within Data Management Section.
2. Cooperate with other offices such as offices of community planning (OCTs), Research, and Policy Planning under Long Range Planning Division for all activities.
3. Manage all aspects of modeling operation and other related applications support and operations including planning, designing, development, implementation, upgrade, support and maintenance functions.
4. Develop modeling acquisition strategies and standards and coordinates modeling input data acquisitions and updates and ensure QA/QC of databases
5. Support short and long-range projects related to the transportation program
6. Respond to requests for technical assistance from other divisions of TDOT, other government agencies, OCT offices, as well as MPO's and RPO's
7. Work with local, state, and federal resources to maintain existing databases, identify missing data and provide input into the TDOT's modeling strategy.
8. Prepare and support presentations and planning documentations with

visualization
9. Develop activities including, analysis, design, integration, verification, configuration management, maintenance support and product documentation
10. Coordinate and work with federal, state, and local transportation agencies as needed to successfully execute projects and to provide updates and reports to key stakeholders
11. Carry out other duties as assigned by the Director and Assistant Directors of the Division.

If you are interested and have further question about the position, please email David.Lee@tn.gov. You will still need to complete an online application in order to apply for the position.